

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Steinar Bjornstad

PATENT APPLICATION

Serial No.: 10/586,633

Group Art Unit: 2476

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Examiner: AGA, S.A.

Confirmation No.: 6061

Atty. Docket No.: OSL-038

For: METHOD AND ARRANGEMENT FOR AN IMPROVED BUFFER SOLUTION
WITHIN A COMMUNICATION NETWORK SWITCH

Amendment

Hon. Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir or Madam:

In response to the office action mailed June 22, 2010
from the Patent and Trademark Office regarding the above
identified patent application, Applicant submits this
Amendment.

Amendments to the claims begin on page 2;

Remarks begin on page 7; and

A Conclusion is on page 20.

In to the claims:

Please amend the claims as indicated below. Added text is underlined and deleted text is either struck through or shown in double enclosing brackets. The Applicant is aware that no new matter has been added.

1. (currently amended) An optical switch within an asynchronous fiber optic communication network comprising,
a plurality of fiber optic inputs,
a plurality of fiber optic outputs having different wavelengths for wavelength division multiplexing,
and a buffer unit communicating with the inputs and outputs, wherein the buffer unit has electronic variable delays, adjustable from below to above the duration of a packet, that buffer data based upon reorganizing the data by assigning data packets according to ranges of length to different delay queues and scheduling outputting of data the moment when a predefined number, greater than one, of wavelengths, ~~is directed to a buffered destination, that is~~ are vacant,

whereby data packets having shorter lengths have greater probability of encountering sufficient vacant outputs of different wavelength and data packets having longer lengths having lesser probability of encountering sufficient vacant outputs of different wavelength.

2. (previously presented) The switch of claim 1 wherein the switch monitors to detect a number of vacant wavelengths at the switch outputs being greater than or equal to the predefined number.